SMPS

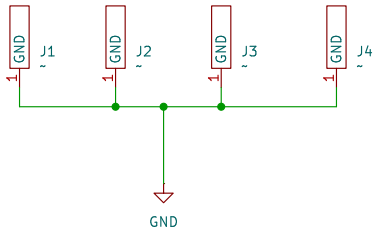
File: SMPS.kicad_sch

LDO

File: LDO.kicad_sch

MCU

File: MCU.kicad_sch



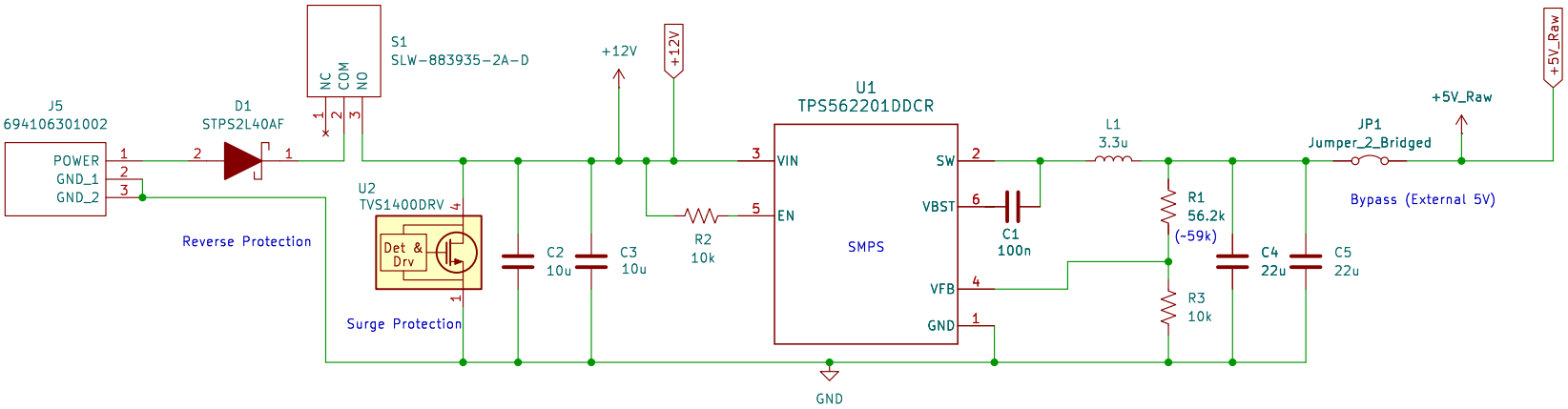
Author: Simon Chang

Sheet: /
File: PC_Fan_Control.kicad_sch

Title: PC Fan Control

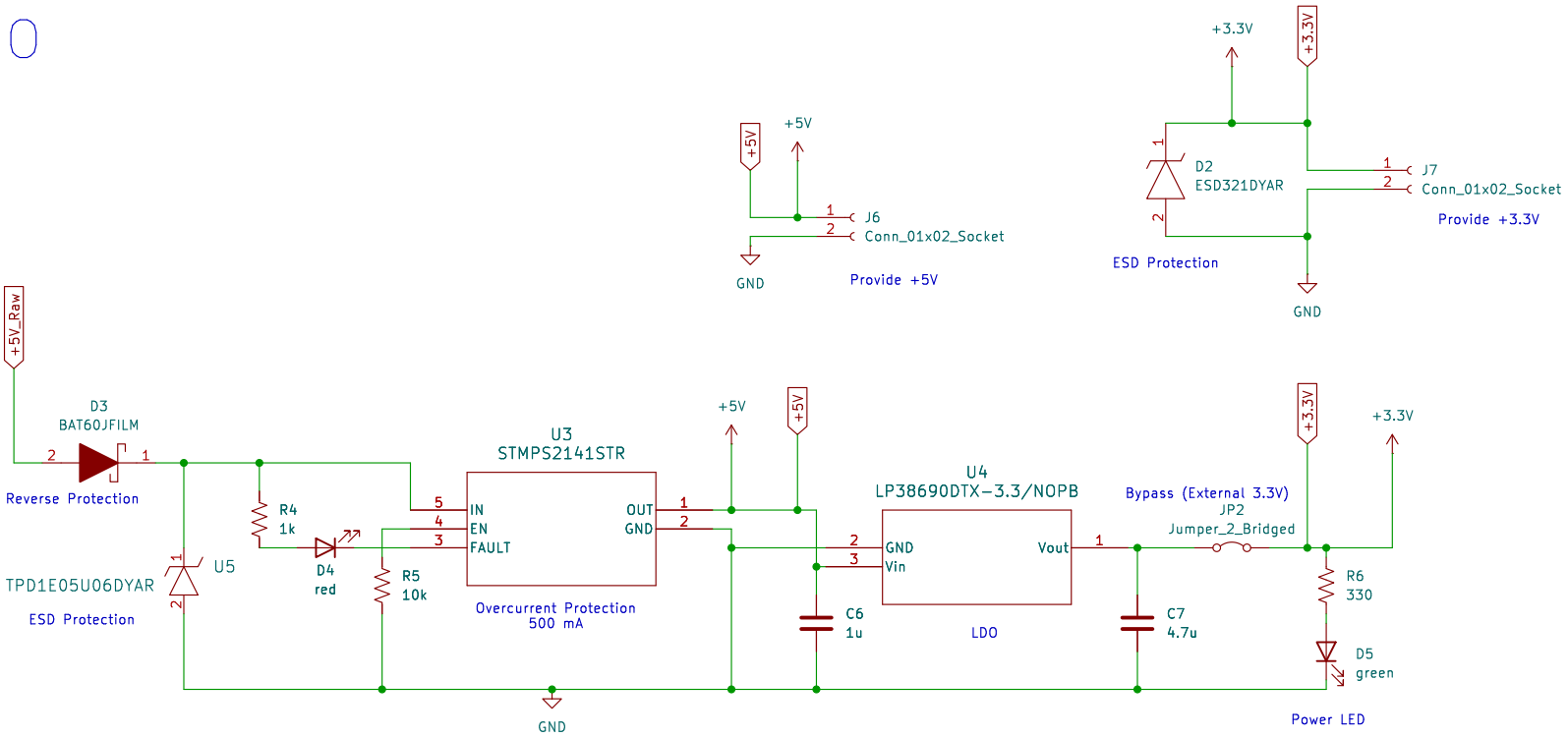
Size: A4	Date:	**Rev: v01**
KiCad E.D.A. 9.0.6		Id: 1/4

SMPS

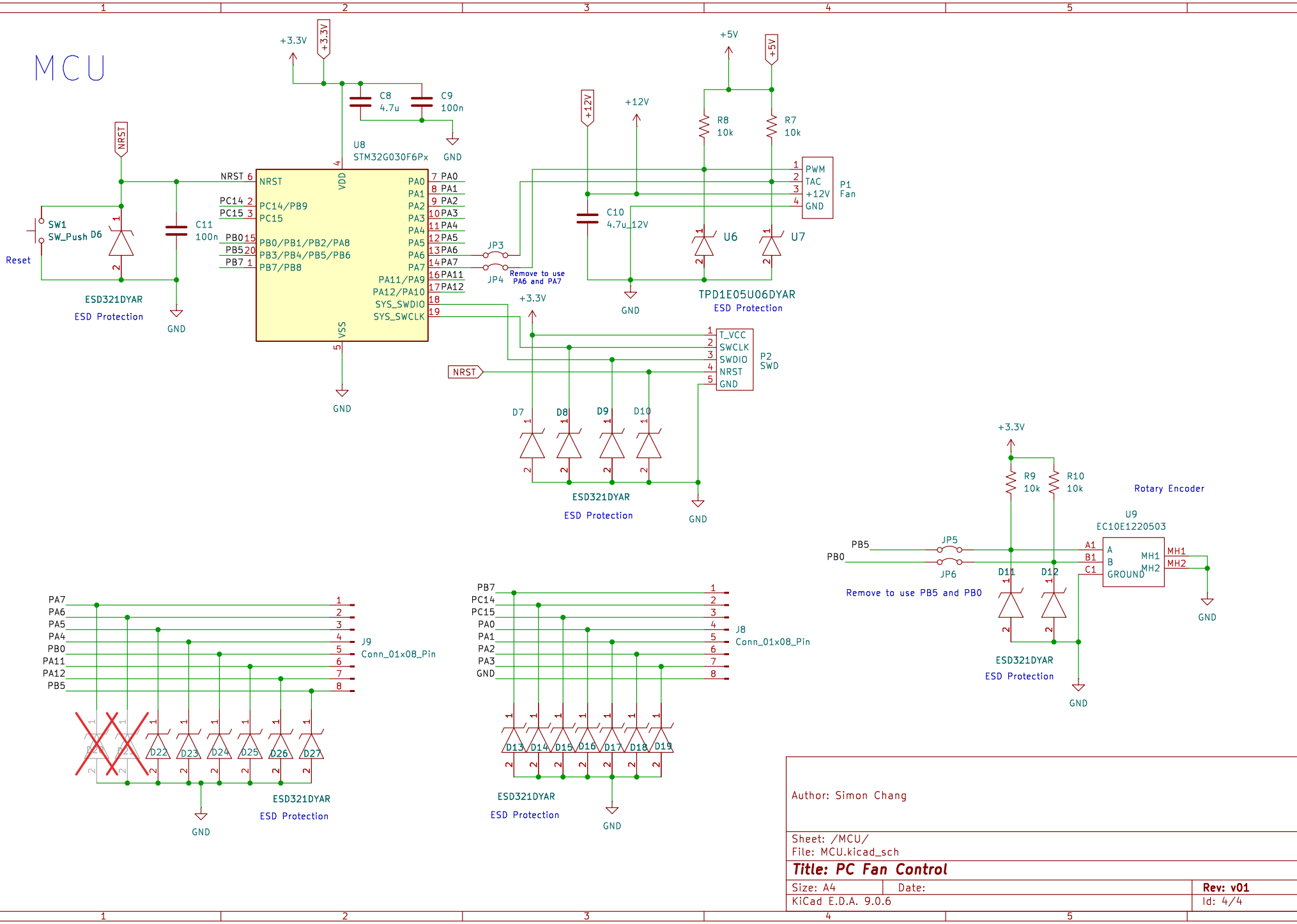


Author: Simon Chang	
Sheet: /SMPS/ File: SMPS.kicad_sch	
Title: PC Fan Control	
Size: A4	Date:
KiCad E.D.A. 9.0.6	**Rev: v01** Id: 2/4

LDO



Author: Simon Chang		
Sheet: /LDO/ File: LDO.kicad_sch		
Title: PC Fan Control		
Size: A4	Date:	**Rev: v01**
KiCad E.D.A. 9.0.6		Id: 3/4


MCU
U8
STM32G030F6Px
NRST
PC14
PC15
PB0/PB1/PB2/PA8
PB3/PB4/PB5/PB6
PB7/PB8
PA11/PA9
PA12/PA10
SYS_SWDIO
SYS_SWCLK
VDD
VSS
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PA11
PA12
+3.3V
C8
4.7u
C9
100n
GND
SW1
SW_Push D6
Reset
C11
100n
ESD321DYAR
ESD Protection
JP3
JP4
Remove to use PA6 and PA7
+12V
+5V
R8
10k
R7
10k
C10
4.7u_12V
U6
U7
TPD1E05U06DYAR
ESD Protection
P1
Fan
PWM
TAC
+12V
GND
P2
SWD
T_VCC
SWCLK
SWDIO
NRST
GND
D7
D8
D9
D10
ESD321DYAR
ESD Protection
R9
10k
R10
10k
Rotary Encoder
U9
EC10E1220503
JP5
JP6
Remove to use PB5 and PB0
A
B
C
GROUND
MH1
MH2
D11
D12
ESD321DYAR
ESD Protection
J9
Conn_01x08_Pin
D22
D23
D24
D25
D26
D27
ESD321DYAR
ESD Protection
J8
Conn_01x08_Pin
D13
D14
D15
D16
D17
D18
D19
ESD321DYAR
ESD Protection
Author: Simon Chang
Sheet: /MCU/
File: MCU.kicad_sch
Title: PC Fan Control
Size: A4
Date:
Rev: v01
KiCad E.D.A. 9.0.6
Id: 4/4